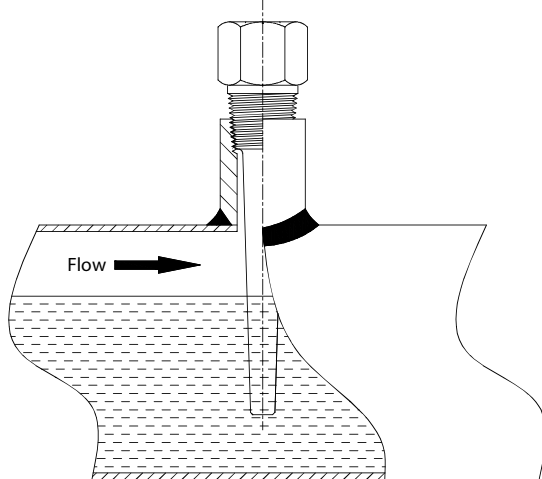


Heavy Duty Thermowell - Solid Drilled Bar Stock (TW.512 Series)

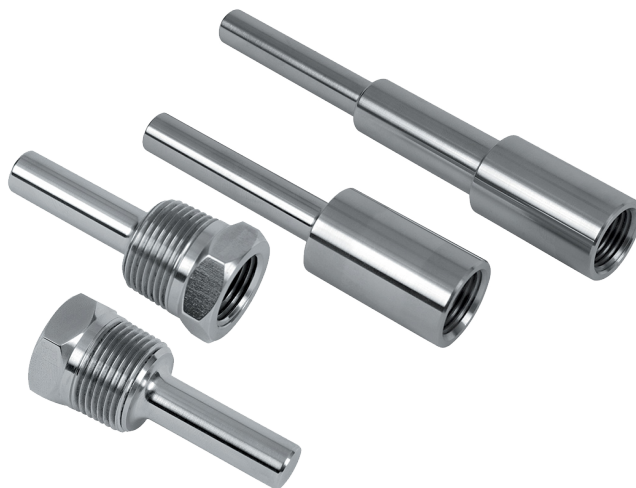
Thermowell is used to protect the sensing instrument from direct contact with process which will lead sensing instrument to become malfunction due to the process pressure and chemical attack. Another advantage of thermowells is the possibility of removing the sensor without any risk of affecting the tightness of the enclosure and without stopping the process.

Connections are available as thread type for easy and effective way of installation, socket weld form and weld-in style for permanent installation at process.

Thermowell specifications should be determined based on process conditions which include strength, temperature, pressure and corrosion resistance requirements. The tapered design is suited for heavy duty applications where greater rigidity is required for increased pressure and flow process conditions.



Typically installation of thread thermowell



General Construction of thread thermowell

Process Connection

Thread size	1/2", 3/4", 1"
Thread form	NPT or BSP *
Hex F/F	28.5, 31.75, 35
T-length(Std)	45 mm (For NPT) 25 mm (For BSP)
Head Diameter	ø26.7, ø33.4, ø48.3

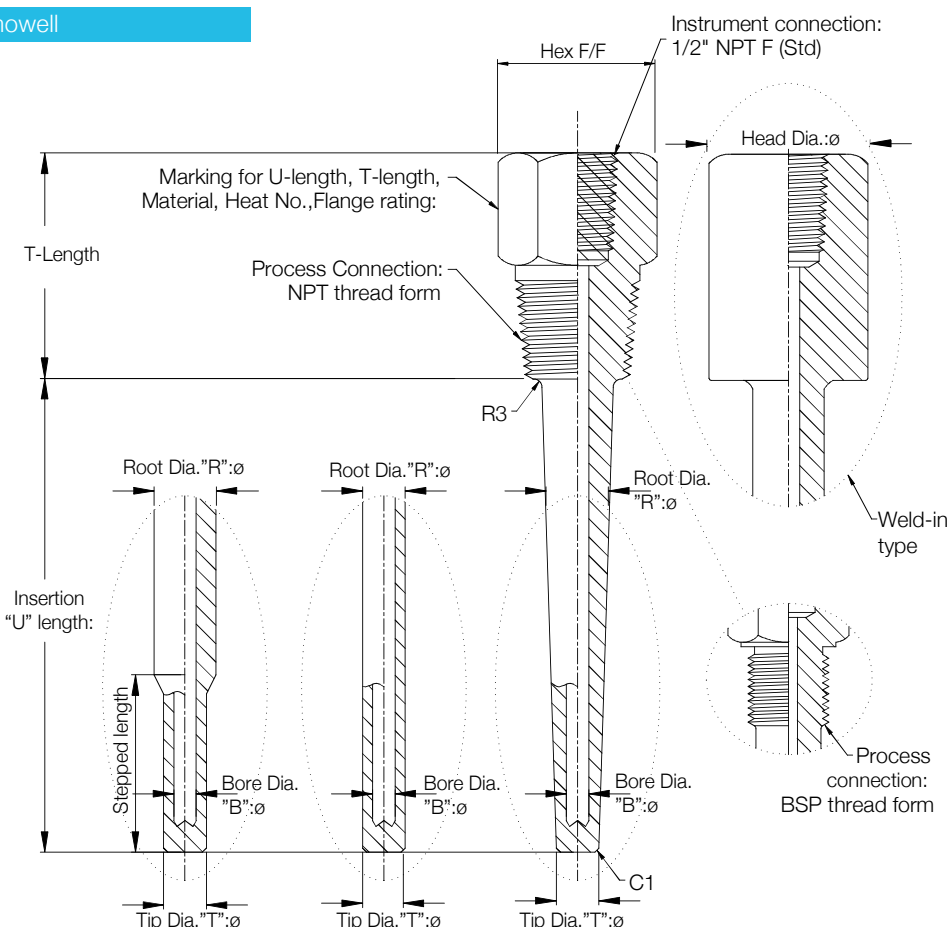
Materials	SS 316/L Inconel 600 Monel 400 Hastelloy C 276 Duplex F51 A350 LF2 Inconel 800H/HT
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Note: Other special alloy will be available upon request.

Testings and standards

Material Certificate	EN 10204-3.1B
Hydrostatic Test	ASME B16.5
Wake Frequency	ASME PTC 19.3
PMI	ASME Section II
MPI	ASME B31.3-2008

Note: Other testing will be available upon request.



Heavy Duty Flange Thermowell - Solid Drilled Bar Stock (TW.512 Series)

Thread Thermowell (TW.512T)

Weld-In Thermowell (TW.512W)

Process connection							
T 1	1/2" NPT M						
T 2	1/2" BSP M						
T 3	3/4" NPT M						
T 4	3/4" BSP M						
T 5	1" NPT M						
T 6	1" BSP M						
-	-						
W 1	Ø 27 mm (For 3/4" Pipe)						
W 2	Ø 34 mm (For 1" Pipe)						
W 3	Ø 48 mm (For 1-1/2" Pipe)						
Y 1	Special version to be specified						
Thermowell material							
S	SS 316						
Y 2	Special version to be specified						
Thermowell insertion length "U"							
XXXX	To be specified (e.g 0125 for 125 mm long)						
"T" Length							
T 1	45 mm (Standard for NPT)						
T 2	25 mm (Standard for BSP)						
Y 3	Special version to be specified						
Tip thickness "E"							
E	6 mm (Std)						
Y 4	Special version to be specified						
Stem dimensions "ØR" , "ØT"							
RT1	Root: Ø 26.5 mm , Tip: Ø 18 mm						
RT2	Root: Ø 19 mm , Tip: Ø 12.5 mm						
RT3	Root: Ø 17 mm , Tip: Ø 12.5 mm						
-	-						
RT4	Root & tip Diameter : Ø 19 mm						
RT5	Root & tip Diameter : Ø 17 mm						
RT6	Root & tip Diameter : Ø 12.5 mm						
-	-						
RT7	Root: Ø 26.5 mm , Tip: Ø 12.5 mm						
RT8	Root: Ø 19 mm , Tip: Ø 12.5 mm						
RT9	Root: Ø 17 mm , Tip: Ø 12.5 mm						
Y 5	Special version to be specified						
Bore diameter "ØB"							
B1	6.6 mm (STD)						
B2	7 mm						
B3	8 mm						
Y 6	Special version to be specified						
Instrument connection							
N	1/2" NPT F (STD)						
Y 7	Special version to be specified						
TW.512X							
	1	2	3	4	5	6	7
							8

← Order Code